

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1575	(360/324.1-324.2).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/12/09 15:17
S2	2	10/654988	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/09 15:17
S3	1575	(360/324.1-324.2).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/12/09 15:53
S4	662	S3 and ((ap or antiparallel or synthetic) NEAR6 pinned)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/09 16:07
S5	330	S4 and ((first NEAR3 free) and (second NEAR3 free))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/09 16:13
S6	183	S4 and ((first NEAR1 free) and (second NEAR1 free))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/09 16:13
S7	4116	gill.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/11 17:35
S8	2812	(360/314-324.12).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/12/11 17:52
S9	257	S7 and S8	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/11 17:53
S10	2035	heinz.xp.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/11 17:37
S11	18	S9 and S10	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/11 17:37

## EAST Search History

S12	3517	(360/313-328).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/12/11 17:52
S13	287	S7 and S12	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/11 17:53
S14	2037	S10 and 98	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/11 17:54
S15	19	S10 and S13	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/11 17:54
S16	1	S15 not S11	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/11 17:54
S17	10	(US-20020135946-\$ or US-20040008450-\$).did. or (US-6175476-\$ or US-6185079-\$ or US-6185080-\$ or US-6608739-\$ or US-6628483-\$ or US-6633461-\$ or US-6680828-\$ or US-6667861-\$).did.	US-PGPUB; USPAT	OR	ON	2005/12/11 18:50
S18	6	(space? near2 layer) and S17	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/11 18:52
S19	6	(spacer near2 layer) and S17	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/12/11 18:52
S20	1771	(360/324.1-324.2).CCLS.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2006/05/23 13:41
S21	930	S20 and ((spin near2 valve) WITH (first or second or upper or lower or primary or secondary))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/05/23 13:45
S22	396	S21 and ((spin near2 valve) near2 (first or second or upper or lower or primary or secondary))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/05/23 13:47

## EAST Search History

S23	222	S22 and ((first or second or upper or lower or primary or secondary) ADJ2 (spin near1 valve))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/05/23 13:51
S24	137	S23 and ((first or second or upper or lower or primary or secondary) ADJ1 (spin near1 valve))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/05/23 13:51